



Exploring the World of Science

University of Michigan Science Olympiad 2021 Invitational Tournament

Ornithology C

Test length: 50 Minutes

Team name: KEY

Student names: KEY

Tiebreakers: 119, 131, 136, 137, 93, 27, 36, 117 (in order)

This test consists of 19 stations with a total of 144 questions, and you will have 50 minutes to complete it. The "in-person" design was to have 2 minutes and 20 seconds to work on each station, with a 10 second period to switch. Being an online exam, you may move around freely and spend as much time on each station as you would like, however, be wary of time.

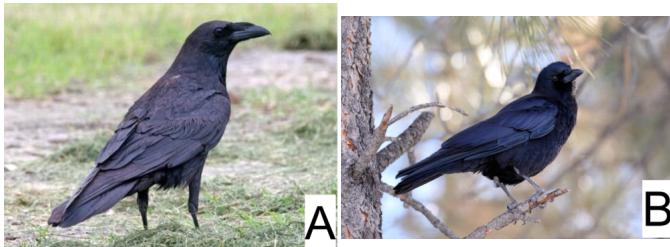
The Tiebreakers for this test will be: 119, 131, 136, 137, 93, 27, 36, 117 (in order)

For all Identification Questions, please print the common names and scientific names exactly as shown on the National Ornithology Bird List.

If you experience technical difficulties during the test:

- Immediately contact the event supervisor through the classroom feature on Scilympiad, stating clearly what issue you are having.
- If your work is not saving/submitting, take screenshots of your answers on Scilympiad and submit them to this google form (<https://docs.google.com/forms/d/19cRQLafN7EARRS7tZHC-8HOt4B1F-4fYOSliON1kro/edit>). Try to stay within your allotted 50 minutes.

Station 1: Use these images for Questions 1-7



1. (1.00 pts) What is the Common Name of Species A?

Common Raven

2. (1.00 pts) What is the Scientific Name of Species B?

Corvus brachyrhynchos

3. (1.00 pts) What Family (scientific name) are these two species from?

Corvidae

4. (1.50 pts) In which of the following regions of the United States can **BOTH** species be found in?

(Mark **ALL** correct answers)

- A) Northeast
- B) Southeast
- C) Midwest
- D) Southwest

E) West

5. (1.00 pts) For **BOTH** species, what is the average clutch size?

- A) 1-4 eggs
- B) 4-7 eggs
- C) 8-11 eggs
- D) 12-15 eggs

6. (1.00 pts) At what age can Species A begin breeding?

Expected Answer: +1 point for correct value: any value between 2-4

7. (1.50 pts) Which of the following foods are consistent with the diet of Species B?

(Mark **ALL** correct answers)

- A) Seeds
- B) Berries
- C) Small Mammals
- D) Earthworms
- E) Other Bird Species

Station 2: Use these images for Questions 8-14



8. (1.00 pts) What Order (scientific name) are these two species from?

Piciformes

9. (1.00 pts) Which sex typically incubates the eggs for Species A?

(Mark **ALL** correct answers)

- A) Male

B) Female

10. (1.50 pts) Describe the flight pattern for Species A.

Expected Answer: +1.5 pt: Species A has an undulating flight pattern

11. (1.50 pts) What makes up Species B's primary diet?

(Mark **ALL** correct answers)

- A) Seeds
- B) Insects
- C) Sap
- D) Nuts
- E) Leaves

12. (2.00 pts) For **BOTH** species, what are some overlapping conditions at hatching?

(Mark **ALL** correct answers)

- A) Eyes Open
- B) Eyes Closed
- C) Pink Skin
- D) Grey Skin
- E) Blind
- F) Not Blind

13. (1.00 pts) True or False: Courtship behavior for Species B includes pointing bill up to display throat colors.

- True
- False

14. (1.00 pts) What is the IUCN conservation status of Species A?

- A) Least Concern
- B) Near Threatened
- C) Vulnerable
- D) Endangered
- E) Critically Endangered

Station 3: Use these images for Questions 15-21



15. (1.00 pts) What is the Scientific Name of Species A?

Buteo jamaicensis

16. (1.00 pts) What is the Common Name of Species B?

Northern Harrier

17. (1.00 pts) What Family (scientific name) are these two species from?

Accipitridae

18. (1.50 pts) In which North American Country(ies) does breeding commonly take place for **BOTH** species?

(Mark **ALL** correct answers)

- A) Greenland
- B) Canada
- C) United States
- D) Mexico
- E) Barbados

19. (1.50 pts) What is the primary diet for Species A?

(Mark **ALL** correct answers)

- A) Nuts
- B) Small Mammals
- C) Small Reptiles
- D) Berries
- E) Birds

20. (1.50 pts) What is Species B's common habitat?

(Mark **ALL** correct answers)

- A) Forests
- B) Woodlands

- C) Grasslands
 D) Swamps
 E) Fields

21. (1.50 pts) Which of the following describes an egg of Species B?

(Mark **ALL** correct answers)

- A) Grey
 B) White
 C) Speckled with Brown
 D) Blotched with Purple
 E) 1-2 inches

Station 4: Use these images for Questions 22-29



22. (1.00 pts) What is the Common Name of A?

Osprey

23. (1.00 pts) What is the Common Name of B?

Peregrine Falcon

24. (1.00 pts) True or False: These two species from the same Family.

- True False

25. (1.50 pts) Fill in the Blank: The population of both Species A and Species B declined in the 1950s-1960s due to _____, however, began to recover after this was banned in the _____.

Pesticides

1970s

26. (1.50 pts) Which of the following is a main part of the diet for Species A?

(Mark **ALL** correct answers)

- A) Mammals
 B) Birds

- C) Fish
 D) Reptiles

27. (3.00 pts) Describe the common actions of a Species A male during breeding season. What is this action called?

Expected Answer: In breeding season, males perform an aerial "sky-dance," sometimes called "fish-flight." (+1 point) With dangling legs, often clasping a fish or nesting material in his talons, the male alternates periods of hovering with slow, shallow swoops as high as 600 feet or more above the nest site. (+1 point) Sustaining this display for 10 minutes or more, he utters repeated screaming calls while gradually descending in an undulating fashion to the nest. (+1 point) -- TOTAL 3 POINTS

(Leave blank for answer)

28. (1.00 pts) What is the max speed that Species B can fly during a dive for prey (from 1km above the ground)?

(Mark **ALL** correct answers)

- A) 25-35 mph
 B) 35-65 mph
 C) 65-85 mph
 D) 85-100 mph
 E) 100-150 mph
 F) 150+ mph

29. (1.50 pts) In which of the following regions of the United States can Species B be found in?

(Mark **ALL** correct answers)

- A) Northeast
 B) Southeast
 C) Midwest
 D) Southwest
 E) West

Station 5: Use these images for Questions 30-36



30. (1.00 pts) What is the Scientific Name of Species B?

Gavia immer

31. (1.00 pts) What Order (scientific name) is Species A from?

Anseriformes

32. (1.50 pts) In which of the following regions of the United States can Species A commonly be found in?

(Mark **ALL** correct answers)

- A) Northeast
- B) Southeast
- C) Midwest
- D) Southwest
- E) West

33. (1.50 pts) What is Species B's common habitat?

(Mark **ALL** correct answers)

- A) Forests
- B) Woodlands
- C) Grasslands
- D) Lakes
- E) Ponds

34. (2.00 pts) Which of the following actions does Species B take for territorial display?

(Mark **ALL** correct answers)

- A) Lifting body upright
- B) Sticking one foot up out of water
- C) Wagging foot
- D) Flapping wings
- E) Tremolo calls

35. (2.00 pts) Which of the following are impacts of Species B's conservation?

(Mark **ALL** correct answers)

- A) Commercial Fishing
- B) Acid Rain
- C) Hunting
- D) Motorboats
- E) Oil Spills

36. (3.00 pts) In a sentence, briefly describe the famous event that happened in January 2009 and which Species was involved (A or B)?

Expected Answer: +1 for Date (01/15/2009), +1 for Correct Species (A or Canada Goose), +1 for Correct Event (Sully: US1459 had a bird strike in both engines that led to the ditching in the Hudson)

Station 6: Use these images for Questions 37-43



37. (1.00 pts) What is the Scientific Name of this Species?

Ardea herodias

38. (1.00 pts) True or False: This species doesn't typically breed in colonies.

True False

39. (2.00 pts) Which of the following actions can be seen when this Species is in flight?

(Mark **ALL** correct answers)

- A) "S" neck Shape
- B) Tucked in legs
- C) Extended wings
- D) Bill pointed skyward
- E) "Clapper" bill tips

40. (1.50 pts) Which of the following are characteristics of nesting for this species?

(Mark **ALL** correct answers)

- A) 6-9 egg clutch size
- B) 1 brood each year
- C) White/Cloud colored eggs
- D) 27 day incubation period

41. (1.50 pts) What is the main prey for this Species' diet?

(Mark **ALL** correct answers)

- A) Shrimp
- B) Insects
- C) Fish
- D) Rodents

42. (1.00 pts) At what age can this species start to fly?

- A) 30 days
- B) 45 days
- C) 60 days
- D) 70 days

43. (1.50 pts)

True or False for the Following Statements: 1. Nests are not reused 2. This species is monogamous within the breeding season 3. This species don't stay with the same mating partners.

- A) T, T, T
- B) F, T, T
- C) F, T, F
- D) F, T, T
- E) T, F, T
- F) F, F, F

Station 7: Use these images for Questions 44-51



44. (1.00 pts) What is the Common Name for Species A?

Kentucky Warbler

45. (1.00 pts) What is the Scientific Name for Species B?

Geothlypis trichas

46. (1.50 pts) In which of the following regions of the United States can Species A commonly be found in?

(Mark **ALL** correct answers)

- A) Northeast
- B) Southeast
- C) Midwest
- D) Southwest
- E) West

47. (1.50 pts) Which of the following are correct average measurements for Species A?

(Mark **ALL** correct answers)

- A) Length: 3 inches
- B) Length: 4 inches
- C) Wingspan: 7-8 inches
- D) Wingspan: 8-9 inches
- E) Weight: 2 ounces
- F) Weight: 3 ounces

48. (2.00 pts) In a sentence, describe the best way of visually distinguishing a male, female, and immature bird of Species A.

Expected Answer: +1 for correct feature: The amount of black on the side of heads, +1: Correct pairing for each gender --> decreasing amount of black on the sides from greatest to least: male, female, immature (+2 points total)

49. (1.50 pts) Which of the following are common predators of Species B?

(Mark **ALL** correct answers)

- A) American Kestrels
- B) Northern Harriers
- C) Merlins
- D) American Kestrels

50. (2.00 pts) In one sentence, name one key visual characteristic that distinguishes between male and female birds of Species B.

Expected Answer: +1 point for correct feature: Black Mask, +1 point for correct gender pairing: Correct Pairing for Each Gender (Males have Black Mask, whereas Females don't)

51. (1.00 pts) True or False: At the beginning of breeding season and at the breeding grounds, Species B males don't attack other males more intensely when females arrive.

- True
- False

Station 8: Use these images for Questions 51-58



A



B

52. (1.00 pts) What is the Common Name for Species A?

Loggerhead Shrike

53. (1.00 pts) What is the Scientific Name for Species B?

Sitta canadensis

54. (1.00 pts) True or False: Both Species A and B are a part of the same Family.

True False

55. (1.00 pts) What is the IUCN conservation status of Species A?

- A) Least Concern
- B) Near Threatened
- C) Vulnerable
- D) Endangered
- E) Critically Endangered

56. (1.00 pts) On average, what percentage of Species A's population increases or decreases each year (to the nearest WHOLE NUMBER)?

Expected Answer: +1 pt for correct value: -3%

57. (1.50 pts) Which of the following characteristics describes an egg for Species B?

(Mark **ALL** correct answers)

- A) Pale Blue
- B) Cream
- C) Red-Brown Speckles
- D) Dark/Black Speckles

- E) 17 day incubation period
- F) 1.25 inches long

58. (1.00 pts) In a short sentence, what specific feature helps Species B keep grip on tree trunks and branches?

Expected Answer: +1 point for correct feature: The large claw of their one backward-pointing toe on each foot

Station 9: Use these images for Questions 59-65



59. (1.00 pts) What is the Common Name for Species A?

Great Crested Flycatcher

60. (1.00 pts) What is the Scientific Name for Species B?

Regulus calendula

61. (1.50 pts) In which of the following regions of the United States can Species A commonly be found in?

(Mark **ALL** correct answers)

- A) West
- B) Northeast
- C) Southeast
- D) Midwest
- E) Southwest

62. (1.00 pts) For Species A, do the female, male, or both species do most of the nest-building?

(Mark **ALL** correct answers)

- A) Female
- B) Male

63. (1.50 pts) In what type of location does Species A typically build their nests?

(Mark **ALL** correct answers)

- A) Cavities
- B) Branches
- C) Bushes
- D) Railings
- E) Ground
- F) Cliffs

64. (1.50 pts) What is the primary diet for Species B?

(Mark **ALL** correct answers)

- A) Seeds
- B) Nuts
- C) Insects
- D) Fruits
- E) Small Mammals

65. (2.00 pts) How does Species B establish and maintain their territories?

(Mark **ALL** correct answers)

- A) Callings (Sounds)
- B) Fighting
- C) Chasing
- D) Visual Displays

Station 10: Use these images for Questions 66-72



A



B



C

66. (1.00 pts) Which one of these birds don't belong to the same family as the other two species presented?

- A) Species A
- B) Species B
- C) Species C
- D) None: they are all from the same family

67. (1.00 pts) What is the Common Name for Species A?

Lark Sparrow

68. (1.00 pts) What is the Scientific Name for Species B?

Spizella passerina

69. (1.00 pts) What is the Common Name for Species C?

Brown Creeper

70. (1.50 pts) In which of the following regions of the United States can Species A commonly be found in?

(Mark **ALL** correct answers)

- A) Northeast
- B) Southeast
- C) Midwest
- D) Southwest
- E) West

71. (1.50 pts)

True or False for the Following Statements: 1. Males of Species B helps build the nest 2. Males of Species B tends to guard and defend territories 3. There is no significant difference in size between males and females of Species B

- A) F, T, T
- B) T, T, T
- C) F, T, F
- D) F, T, T
- E) T, F, T
- F) F, F, F

72. (1.00 pts) How many days after hatching do the nestlings of Species C leave the nest?

(Mark **ALL** correct answers)

- A) 9-12 days
- B) 13-16 days
- C) 17-20 days
- D) 21-24 days
- E) 25-28 days

Station 11: Use these images for Questions 73-79

**A****B**

73. (1.00 pts) What is the Scientific Name for Species A?

Cardinalis cardinalis

74. (1.00 pts) What is the Common Name for Species B?

Baltimore Oriole

75. (1.50 pts) In which of the following regions of the United States can Species A commonly be found in?

(Mark **ALL** correct answers)

- A) Northeast
- B) Southeast
- C) Midwest
- D) Southwest
- E) West

76. (2.00 pts) In a sentence, describe the main differences between a male and female of Species A. What gender is the bird in the picture above?

Expected Answer: +1 Point for the correct feature: Color of the bird (Males tend to be more red), +1 Point for correct gender: Correct Gender for Image (Female) (total 2 points)

77. (1.00 pts) True or False: Species B tend to only defend spaces closer to their nest rather than larger feeding territories.

- True
- False

78. (1.00 pts) On average, how long does it take for a Species B to build a nest?

(Mark **ALL** correct answers)

- A) 4-5 days
- B) 6-8 days
- C) 9-10 days
- D) 11-14 days

E) 14+ days

79. (1.50 pts) Which of the following foods are consistent with the diet of Species B?

(Mark **ALL** correct answers)

- A) Insects
- B) Fruit
- C) Seeds
- D) Nectar
- E) Nuts
- F) Small Mammals

Station 12: Use these images for Questions 80-87



80. (1.00 pts) What is the Common Name for this Species?

Barn Owl

81. (1.50 pts) Which of the following are a part of the diet for this Species?

(Mark **ALL** correct answers)

- A) Seeds
- B) Small Birds
- C) Insects
- D) Fruits
- E) Small Mammals

82. (1.00 pts) True or False: Nest sites are reused year to year.

True False

83. (1.00 pts) What is the average incubation period for this species?

(Mark **ALL** correct answers)

- A) 20-23 days
- B) 24-28 days
- C) 29-32 days

- D) 33-34 days
 E) 35-40 days

84. (0.50 pts) Is this species diurnal or nocturnal?

- A) Diurnal
 B) Nocturnal

85. (2.00 pts) Name the two distinct attributes that give the ability to hunt for prey at night.

Expected Answer: +1 point for each feature: Low-Light Vision and Sound (total +2 points)

86. (1.50 pts) In a sentence or two, describe the main difference between a male and a female for this species.

Expected Answer: +0.75 point for each feature: More reddish AND have a more spotted chest (+1.5 points total)

87. (1.00 pts) True or False: This species is the same type of owl from the Harry Potter series

- True False

Station 13: Use these images for Questions 88-94



88. (1.00 pts) What Family (scientific name) are both these species from?

Accipitridae

89. (1.00 pts) What is the IUCN conservation status for Species A?

- A) Least Concern
 B) Near Threatened
 C) Vulnerable
 D) Endangered
 E) Critically Endangered

90. (1.00 pts) Which part of the United States can **BOTH** birds be typically found in?

(Mark **ALL** correct answers)

- A) Eastern US
 B) Western US

91. (1.00 pts) Under protection after the 1970s, the population of Species A has increased and become stable. What were the two primary things that caused this population decline prior to this?

Expected Answer: +0.5 point for each feature: Hunting and Pesticides (total 1 Point)

92. (1.00 pts) True or False: Species A typically do their own catching and fishing for food, which is a primary part of their diet.

- True False

93. (2.00 pts) In a sentence or two, answer the following question and provide a brief explanation. True or False: Species B was not affected heavily by the DDT pesticide poisoning.

Expected Answer: +1 Point for answering True, +1 Point for correct reasoning: because of the diet of the mammals they preyed on, they weren't affected since the poison did not enter its system

94. (1.00 pts) How many eggs are typically in a clutch for Species B?

Expected Answer: +1 Point for correct value: 1-3 eggs (any value within this range is acceptable)

Station 14: Use these images for Questions 95-102



95. (1.00 pts) What is the Common Name for Species A?

Yellow Warbler

96. (1.00 pts) What is the Scientific Name for Species B?

Spinus tristis

97. (1.00 pts) Which of the following foods make up the primary diet for Species A?

- A) Small Mammals
- B) Nuts
- C) Nectar
- D) Seeds
- E) Fruit
- F) Insects

98. (1.50 pts) Which of the following are common predators for Species A?

(Mark **ALL** correct answers)

- A) Garter Snakes
- B) Red Squirrel
- C) Crows
- D) Dogs
- E) Cats
- F) Jays

99. (1.00 pts) Which gender for Species A tends to have a brighter yellow color?

(Mark **ALL** correct answers)

- A) Male
- B) Female

100. (1.50 pts) Species B is the state bird for which of the following states:

(Mark **ALL** correct answers)

- A) Massachusetts
- B) New Jersey
- C) Iowa
- D) Michigan
- E) Washington
- F) Virginia

101. (1.50 pts) In which of the following regions of the United States can Species B commonly be found in?

(Mark **ALL** correct answers)

- A) Northeast
- B) Southeast
- C) Midwest
- D) Southwest
- E) West

102. (1.50 pts) Which of the following parts of a Species B female makes it distinguishable from a male species?

(Mark **ALL** correct answers)

- A) Bill
- B) Tail
- C) Color
- D) Crown
- E) Belly

Station 15: Use these images for Questions 103-109



103. (1.00 pts) What is the Common Name of this Species?

Purple Gallinule

104. (1.00 pts) Which of the following colors are not visible on the adult for this species?

(Mark **ALL** correct answers)

- A) Red
- B) Orange

- C) Yellow
- D) Green
- E) Blue
- F) Purple

105. (1.00 pts) What is the primary habitat for this species?

- A) Forests
- B) Woodlands
- C) Grasslands
- D) Lakes
- E) Marshes

106. (1.50 pts) In which of the following regions of the United States can this species commonly be found in?

(Mark **ALL** correct answers)

- A) Northeast
- B) Southeast
- C) Midwest
- D) Southwest
- E) West

107. (1.00 pts) What is the typical incubation period for an egg of this species?

(Mark **ALL** correct answers)

- A) 13-16 days
- B) 17-19 days
- C) 20-23 days
- D) 24-27 days
- E) 28-30 days
- F) 30+ days

108. (1.50 pts) Which of the following foods are consistent with the diet of this species?

(Mark **ALL** correct answers)

- A) Worms
- B) Nuts
- C) Lotus
- D) Mice
- E) Spiders
- F) Beetles

109. (1.50 pts) How many days after hatching do the nestlings of this species leave the nest?

(Mark **ALL** correct answers)

- A) 7-10 days
- B) 11-13 days
- C) 14-17 days
- D) 18-24 days
- E) 25-30 days
- F) 30+ days

Station 16: Use these images for Questions 110-119



A

B

110. (1.00 pts) What is the Scientific Name of Species A?

Phasianus colchicus

111. (1.00 pts) What is the Common Name of Species B?

Wild Turkey

112. (1.50 pts) In which of the following regions of the United States is Species A not commonly found in?

(Mark **ALL** correct answers)

- A) Northeast
- B) Southeast
- C) Midwest
- D) Southwest
- E) West

113. (2.00 pts) Is the species in the picture A male or female? Explain how you can distinguish the two.

Expected Answer: +1 Point for correct gender: Female; +1 Point for correct feature: Color of the bird (or anything similar this feature)

114. (1.50 pts) Species A was introduced to the United States from which continent?

(Mark **ALL** correct answers)

- A) Europe
- B) Africa
- C) Asia
- D) Australia
- E) South America
- F) Antarctica

115. (1.00 pts) Species B can be found in every state in the US except for:

Alaska

116. (1.00 pts) True or False: Species B is the most sought bird game by hunters.

- True
- False

117. (3.00 pts) Is the species in the picture B male or female? Explain how you can distinguish the two.

Expected Answer: Female; Size, Fanning Tails (larger in males), Prominent Snoods (toms for males), Darker Plumage in males; +1 Point for correct Gender and +0.5 Point per feature mentioned (Total 3 Points)

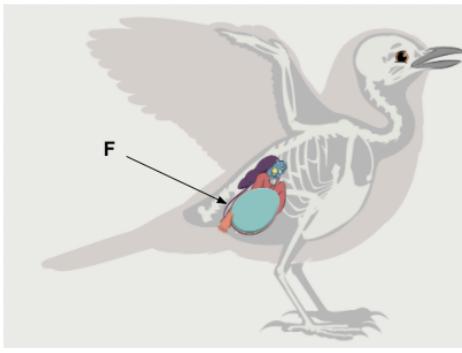
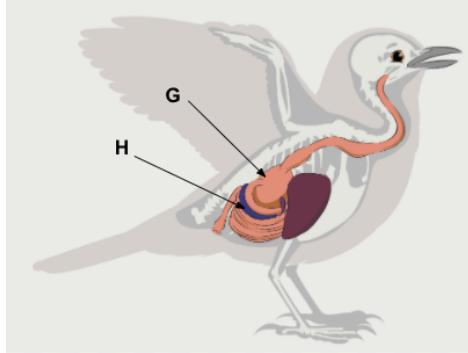
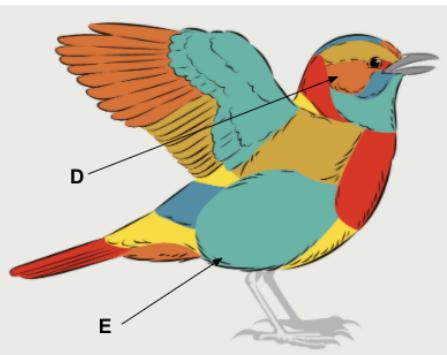
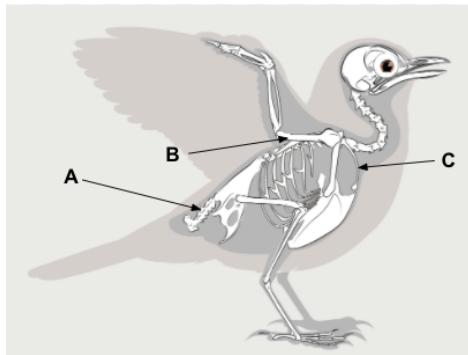
118. (3.00 pts) When Species B is threatened, what is the difference between how males and females react?

Expected Answer: Males tend to run to get away, while females tend to fly to get away (2 points, +1 point for each correct answer for each gender)

119. (4.00 pts) What current Michigan initiative allows for hunting of one of these birds during the fall, and what are its goals? Which bird is it (A or B)?

Expected Answer: +1 Point for correct species: A or Ring-necked Pheasant; +1 Point for correct Initiative: Michigan Pheasant Hunting Initiative, +1 point for each goal (total 2): boost hunting popularity and economic profits to Michigan.

Station 17: Use these images for Questions 120-127



120. (0.75 pts) What is A pointing to?

Caudal Vertebrae

121. (0.75 pts) What is B pointing to?

Humerus

122. (0.75 pts) What is C pointing to?

Furcula

123. (0.75 pts) What is D pointing to?

Auriculars

124. (0.75 pts) What is E pointing to?

Flank

125. (0.75 pts) What is F pointing to?

Ureter

126. (0.75 pts) What is G pointing to?

Gizzard

127. (0.75 pts) What is H pointing to?

Pancreas

Station 18: Identification. Provide the **COMMON NAME** for each species based on the image/video presented in each question. (Questions 128-137)

128. (0.75 pts) Which species is this?



American Kestrel

129. (0.75 pts) Which species is this?



Caspian Tern

130. (0.75 pts) Which species is this?



Carolina Wren

131. (1.50 pts) Which species is this?

Question 131



Tufted Titmouse

132. (1.50 pts) Which species is this?



House Finch

133. (0.75 pts) Which species is this?



American Coot

134. (1.50 pts) Which species is this?

Question 134



American Crow

135. (1.50 pts) Which species is this?



Ovenbird

136. (1.50 pts) Which species is this?

Question 136



Western Meadowlark

137. (1.50 pts) Which species is this?



Wilson's Snipe

Station 19: Questions 138-144 (No Images)

138. (1.00 pts) During what time of the year do most bird strikes occur?

- A) January to May
- B) May to September
- C) August to November
- D) July to October
- E) October to December
- F) December to March

139. (1.00 pts) How many bird strikes with civil aircrafts have been reported in the last 30 years?

Expected Answer: +1 Point for correct value: Correct Answer is 227,005 (Accepted Range: 220,000 - 230,000 for full points; 210,000 - 240,000 for +0.5 points; 200,000 - 250,000 for +0.25 points)

140. (1.00 pts) What is the average resting heart rate of a bird? What is the average heart rate while in flight? (all answer in beats per minute)

- A) Resting: 100, Flying: 300
- B) Resting: 500, Flying: 1200
- C) Resting: 300, Flying: 800
- D) Resting: 200, Flying: 600
- E) Resting: 400, Flying: 1000
- F) Resting: 70, Flying: 150

141. (1.00 pts) Which species is the closest living relative to the modern bird?

- A) Platypus
- B) Lizards
- C) Turtles
- D) Gharial
- E) Crocodile
- F) Alligator

142. (1.00 pts) Follow up: What is the scientific name of the common ancestor between the modern bird and its closest relative?

Archosauria

143. (2.00 pts) In a sentence or two, answer the following question: Are owls able to move their eyes, and how far can they rotate their neck to achieve a 360 degree field of view?

Expected Answer: +1 point for eye movement: No, owls can't move their eyes; +1 point for correct degree rotation: they can rotate their necks up to 270 degrees to maintain this field of vision

144. (1.00 pts) What is the state bird of Michigan? (provide the scientific name)

Turdus migratorius

Congratulations on completing the University of Michigan 2021 Invitational Ornithology C test!

If you have any questions or concerns pertaining to this event, please email tec.umichscioly@umich.edu (mailto:tec.umichscioly@umich.edu), and we will try to get back to you as soon as we can.

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